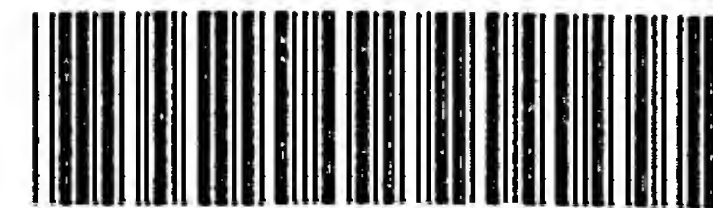


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 101591,558
Source: FFWP
Date Processed by STIC: 9/15/06

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IFWP

RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/591,558

TIME: 09:06:22

Input Set : A:\2488041-SEQ.txt

Output Set: N:\CRF4\09152006\J591558.raw

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3 <110> APPLICANT: Irun Cohen
4     Avishai Mimran
5     Francisco Quintana
6     Felix Mor
7     Pnina Carmi
9 <120> TITLE OF INVENTION: CD25 DNA VACCINES FOR TREATING AND PREVENTING T-CELL
MEDIATED
10     DISEASES
12 <130> FILE REFERENCE: 2488.041
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/591,558
C--> 14 <141> CURRENT FILING DATE: 2006-08-31
14 <150> PRIOR APPLICATION NUMBER: PCT/IL2005/000273
15 <151> PRIOR FILING DATE: 2005-03-08
17 <150> PRIOR APPLICATION NUMBER: US 60/550,308
18 <151> PRIOR FILING DATE: 2004-03-08
20 <160> NUMBER OF SEQ ID NOS: 11
22 <170> SOFTWARE: PatentIn version 3.3
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25 <211> LENGTH: 2308
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
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34 tccgcttcac tgccccggct ggtcccaagg gtcaggaaga tggattcata cctgctgatg      180
36 tggggactgc tcacgttcat catggtgcct ggctgccagg cagagctctg tgacgatgac      240
38 ccgccagaga tcccacacgc cacattcaaa gccatggcct acaaggaagg aaccatgttg      300
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52 tgcaaaatga cccacgggaa gacaaggtgg acccagcccc agctcatatg cacaggtgaa      720
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60 ttctgctga tcagcgtcct cctcctgagt gggctcacct ggcagcggag acagaggaag      960
62 agtagaagaa caatctagaa aaccaaaga acaagaattt cttggtaaga agccgggaac      1020
64 agacaacaga agtcatgaag cccaagtga atcaaagggtg ctaaatgggt gcccaggaga      1080
66 catccgttgt gcttgctgc gttttggaag ctctgaagtc acatcacagg acacggggca      1140
68 gtggcaacct tgtctctatg ccagctcagt cccatcagag agcgagcgct acccacttct      1200
70 aaatagcaat ttcgccgttg aagaggaagg gcaaaaccac tagaactctc catcttattt      1260
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78 ttgtctgcgt ggttcctttc tcagccgctt ctgactgctg attctcccgt tcacgttgcc 1500
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90 cctgaatttg gcctgcacta atttgatgtt tacaggtgga cacacaagggt gcaaatacat 1860
92 gcgtacgttt cctgagaagt gtctaaaaac accaaaaagg gatccgtaca ttcaatgttt 1920
94 atgcaaggaa ggaaagaaag aaggaagtga agagggagaa gggatggagg tcacactggg 1980
96 agaacgtaac cacggaaaag agcgcacacg gcctggcacg gtggctcagg cctataaccc 2040
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102 acgcctgtag tcctagccac tcaggaggct gaggcaggag gattgcttga gccaggagt 2220
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109 <210> SEQ ID NO: 2

110 <211> LENGTH: 272

111 <212> TYPE: PRT

112 <213> ORGANISM: Homo sapiens

114 <400> SEQUENCE: 2

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121 20 25 30
124 His Ala Thr Phe Lys Ala Met Ala Tyr Lys Glu Gly Thr Met Leu Asn
125 35 40 45
128 Cys Glu Cys Lys Arg Gly Phe Arg Arg Ile Lys Ser Gly Ser Leu Tyr
129 50 55 60
132 Met Leu Cys Thr Gly Asn Ser Ser His Ser Ser Trp Asp Asn Gln Cys
133 65 70 75 80
136 Gln Cys Thr Ser Ser Ala Thr Arg Asn Thr Thr Lys Gln Val Thr Pro
137 85 90 95
140 Gln Pro Glu Glu Gln Lys Glu Arg Lys Thr Thr Glu Met Gln Ser Pro
141 100 105 110
144 Met Gln Pro Val Asp Gln Ala Ser Leu Pro Gly His Cys Arg Glu Pro
145 115 120 125
148 Pro Pro Trp Glu Asn Glu Ala Thr Glu Arg Ile Tyr His Phe Val Val
149 130 135 140
152 Gly Gln Met Val Tyr Tyr Gln Cys Val Gln Gly Tyr Arg Ala Leu His
153 145 150 155 160
156 Arg Gly Pro Ala Glu Ser Val Cys Lys Met Thr His Gly Lys Thr Arg
157 165 170 175
160 Trp Thr Gln Pro Gln Leu Ile Cys Thr Gly Glu Met Glu Thr Ser Gln
161 180 185 190
164 Phe Pro Gly Glu Glu Lys Pro Gln Ala Ser Pro Glu Gly Arg Pro Glu
165 195 200 205
168 Ser Glu Thr Ser Cys Leu Val Thr Thr Thr Asp Phe Gln Ile Gln Thr

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RAW SEQUENCE LISTING

DATE: 09/15/2006

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TIME: 09:06:22

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Output Set: N:\CRF4\09152006\J591558.raw

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172 Glu Met Ala Ala Thr Met Glu Thr Ser Ile Phe Thr Thr Glu Tyr Gln
173 225      230      235      240
176 Val Ala Val Ala Gly Cys Val Phe Leu Leu Ile Ser Val Leu Leu Leu
177      245      250      255
180 Ser Gly Leu Thr Trp Gln Arg Arg Gln Arg Lys Ser Arg Arg Thr Ile
181      260      265      270
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185 <211> LENGTH: 21
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: synthetic peptide derived from CD25
192 <400> SEQUENCE: 3
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195 1      5      10      15
198 Ala Gly His Cys Arg
199      20
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203 <211> LENGTH: 20
204 <212> TYPE: PRT
205 <213> ORGANISM: Artificial
207 <220> FEATURE:
208 <223> OTHER INFORMATION: synthetic peptide derived from CD25
210 <400> SEQUENCE: 4
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213 1      5      10      15
216 Ala Cys Pro Thr
217      20
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221 <211> LENGTH: 20
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: synthetic peptide derived from IL2-Rb
228 <400> SEQUENCE: 5
230 Ile Phe Leu Glu Thr Leu Thr Pro Asp Thr Ser Tyr Glu Leu Gln Val
231 1      5      10      15
234 Arg Val Ile Ala
235      20
238 <210> SEQ ID NO: 6
239 <211> LENGTH: 20
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial
243 <220> FEATURE:
244 <223> OTHER INFORMATION: synthetic peptide derived from IL-2Rb
246 <400> SEQUENCE: 6
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249 1      5      10      15

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,558

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TIME: 09:06:22

Input Set : A:\2488041-SEQ.txt

Output Set: N:\CRF4\09152006\J591558.raw

252 Trp Arg Arg Val

253 20

256 <210> SEQ ID NO: 7

257 <211> LENGTH: 20

258 <212> TYPE: PRT

259 <213> ORGANISM: Artificial

261 <220> FEATURE:

262 <223> OTHER INFORMATION: synthetic peptide derived from TNFR1

264 <400> SEQUENCE: 7

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267 1 5 10 15

270 Arg Leu Glu Leu

271 20

274 <210> SEQ ID NO: 8

275 <211> LENGTH: 20

276 <212> TYPE: PRT

277 <213> ORGANISM: Artificial

279 <220> FEATURE:

280 <223> OTHER INFORMATION: synthetic peptide derived from p53

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285 1 5 10 15

288 Leu Ser Gln Glu

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292 <210> SEQ ID NO: 9

293 <211> LENGTH: 15

294 <212> TYPE: PRT

295 <213> ORGANISM: Artificial

297 <220> FEATURE:

298 <223> OTHER INFORMATION: synthetic prptide derived from HSP65

300 <400> SEQUENCE: 9

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303 1 5 10 15

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307 <211> LENGTH: 1578

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309 <213> ORGANISM: Rattus norvegicus

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314 ttctgcagag aatttcattc agttccttcc tgcattcctga tcccacgtgc caggagatg 120

316 gagccacact tgctgatgtt ggggtttctc tcattcacca tagtaccgg ctgttgggca 180

318 gagctgtgtc tgtatgacct accggaggtc cccaatgcc cgttcaaagc cctctcctac 240

320 aagaacggca ccattcctaaa ctgtgaatgc aagagaggtt tccgaagact gaatgagctg 300

322 gtctatatgg cttgtctagg aaactcctgg agcaacaact gtcagtgcac aagcaactcc 360

324 catgacaact caagagagca agttacacct caacctgaag gacagaaaga gcaacagacc 420

326 acggacacgc agaaatcaac acagtctgtg taccaggaga accttgcagg tcaactgcagg 480

328 gagccccctc cttggagaca tgaagacacc aagagaatct accacttcgt ggaaggacag 540

330 atagttctct acacgtgtat tcaaggatac aaggctctac agagaggtcc tgctatcagc 600

332 atctgcaaga cagtgtgtgg ggagataagg tggacgcac cccagctcac gtgtgtgat 660

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PATENT APPLICATION: US/10/591,558

DATE: 09/15/2006

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338 actacaacta tggagacatt cgtgttcaca aaggagatc aggtagcagt ggccagctgc 840
340 atcttcctgc tcctcagcat cctcctcctg agtgggttca cctggcaaca tagatggagg 900
342 aagagcagaa gaaccatcta gcaagctaga acagttggag cccaagggaa gatgatggac 960
344 tcatgaagct caagaaacac ctgaggggtc aaacgtgcac tcgacgggtg cctgtctcct 1020
346 ttcgatccct cgggtcctgg aaagtatatga agtcccgaga cacaatggca catcgggaaa 1080
348 tagcaacttc atcactaaac cgaactttcc attgaagaat aggatctgac catttcagtg 1140
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352 tgtacatgtg ttgatgggag ctgcatgggt gtggctactt ttcgtggaac acacaatata 1260
354 gaaaagtgtg tttatgttga cttcttttgg agagcccagc actaatgtaa atactccctc 1320
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358 gcacccatct acttttcttc ttctttctg ttctcacaag gtcatcctag gcatcatgta 1440
360 tggctggctc ctttctcaac ctctgtttgc ctaactggtt ctttggattt catcacttac 1500
362 tgatcagttt tttaaaactc tgggctgaca atgaggactc catgttttta gaaggaaacc 1560
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368 <211> LENGTH: 1623
369 <212> TYPE: DNA
370 <213> ORGANISM: Mus musculus
372 <400> SEQUENCE: 11
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377 catgtccagt gcgaatgaag acatcaaagc tgatttgatc ctgacttcta cagcccctga 180
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381 gtacatgaat tgcacttgga atagcagttc tgagcctcag gcaaccaacc tcacgctgca 300
383 ctataggtac aaggtatctg ataataatac attccaggag tgcagtcact atttgttctc 360
385 caaagagatt acttctggct gtcagataca aaaagaagat atccagctct accagacatt 420
387 tgttgtccag ctccaggacc cccagaaacc ccagaggcga gctgtacaga agctaaacct 480
389 acagaatctt gtgatccac gggctccaga aaatctaaca ctgagcaatc tgagtgaatc 540
391 ccagctagag ctgagatgga aaagcagaca tattaaagaa cgctgtttac aatacttgggt 600
393 gcagtaccgg agcaacagag atcgaagctg gacggaacta atagtgaatc atgaacctag 660
395 attctccctg cctagtgtgg atgagctgaa acggtacaca tttcgggttc ggagccgcta 720
397 taaccaatc tgtggaagtt ctcaacagtg gagtaaatgg agccagcctg tccactgggg 780
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403 tccaattccc cccatcaaga atctagagga tctggttact gaataccaag ggaacttttc 960
405 ggcttgaggt ggtgtgtcta aagggtgac tgagagtctg cagccagact acagtgaacg 1020
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423 atgcaccacc acaccagca tggctcctct cttttatagg attctccctc cttttttcta 1560
425 cctatgattc aactgtttcc aaatcaacaa gaaataaagt ttttaaccaa tgataaaaaa 1620
427 aaa 1623

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/591,558

DATE: 09/15/2006
TIME: 09:06:23

Input Set : A:\2488041-SEQ.txt
Output Set: N:\CRF4\09152006\J591558.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/591,558

DATE: 09/15/2006

TIME: 09:06:23

Input Set : A:\2488041-SEQ.txt

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date